

HYBRI-FLEX® ES

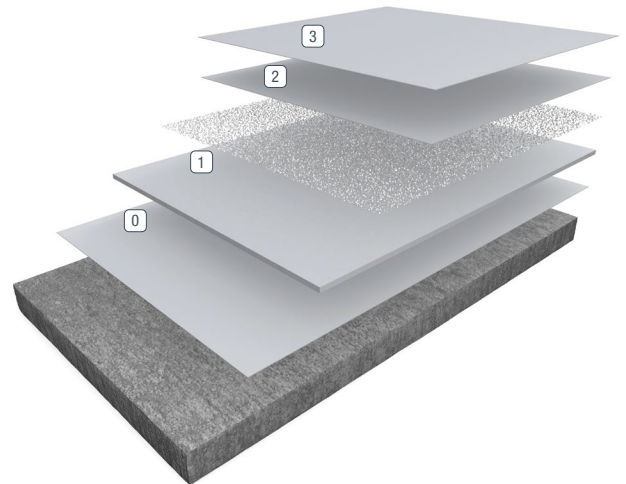
Hybri-Flex ES is a solid color, hybrid floor system consisting of our cementitious urethane base coat and self-level epoxy and urethane topcoats. It features a smooth finish and our ultra-tough Resutile AT topcoat. The nominal system thickness is 3/16". It is an ideal choice for installation on freshly placed concrete, rough existing floors, or where higher impact resistance is desired.

BENEFITS

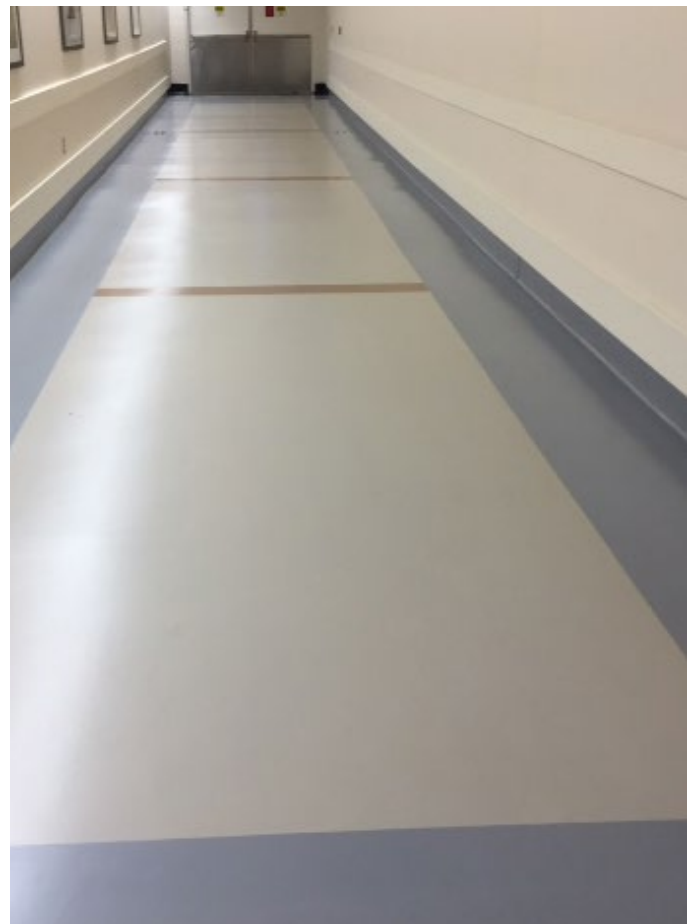
- Self-leveling — A uniform, more even floor system that provides light reflection
- Abrasion resistance — Resutile AT topcoat delivers superior toughness
- Moisture mitigating — Can be applied to high moisture concrete and is capable of handling high soluble ion (salts) contamination, reducing the risk of moisture-related coating failure
- Easy maintenance — Long-lasting performance and gloss finish without waxing

USES

- Cleanrooms
- Laboratories
- Light manufacturing areas
- Aircraft hangars/high bays



- 0 Primer
- 1 Base Coat/Broadcast
- 2 S/L Topcoat
- 3 Topcoat



FEATURED COLORS



Standard and custom colors available. Please see the Resufloor Standard Industrial Color Card for details or envision a color in your space using our Flooring Visualizer Tool at floorvisualizer.sherwin-williams.com. This reproduction approximates the actual color. Factors such as the type of product, degree of gloss, texture, size and shape of area, lighting, heat or method of application may cause color variance. Contact your Sherwin-Williams representative for details.

ABOUT CHEMICAL RESISTANCE

Sherwin-Williams High Performance Flooring offers a broad range of systems to accommodate nearly every industrial, commercial and institutional setting. Each flooring system includes a standard chemical-resistant topcoat or surface proven to perform under typical conditions.

Important considerations:

- The combination of cleaning solutions, sanitizing chemicals, processing substances and products found in any operational setting is unique.
- Knowing exactly which materials are present — as well as their concentrations and typical exposure times before cleanup — is critical for proper flooring system selection.
- During the specification process, a flooring system’s standard chemical-resistant topcoat may get replaced with one better suited to unique facility conditions.

The ability of a flooring system to perform as designed relies heavily on proper selection. Matching each use case with the right chemical-resistant flooring is key to having a facility looking great and functioning at peak level over the long term.

See our Chemical Resistance Guide and other technical resources on our website. Connect with a Sherwin-Williams High Performance Flooring expert for help with specifying an optimal flooring system for your facility.

TYPICAL PHYSICAL PROPERTIES

Hardness (Shore D), ASTM D-2240	75-80	
Compressive Strength, ASTM D-695	17,500 psi	
Compressive Strength, ASTM C-579	12,500 psi	
Tensile Strength, ASTM D-638	4,000 psi	
Tensile Strength, ASTM C-307	2,600 psi	
Tensile Elongation, ASTM D-638	7.50%	
Flexural Strength, ASTM D-790	6,250 psi	
Flexural Strength, ASTM C-580	4,500 psi	
Flexural Modulus of Elasticity, ASTM D-790	6.2 x 10 ⁵	
Linear Expansion, ASTM D-696	2 x 10 ⁻⁵	
Bond Strength to Concrete, ASTM D-4541	400 psi (Substrate Fails)	
Indentation, MIL D-3134	.025 MAX	
Impact Resistance, ASTM D-2794	> 160	
Water Absorption, ASTM D-570	0.04%	
Heat Resistance Limitation	140°F – 200°F	
Flammability, ASTM D-635	Self-Extinguishing	
Critical Radiant Flux, ASTM E-648	Class I	
Noise Reduction Coefficient, ASTM C-423	0.05	
Taber Abrasion Resistance A&B, ASTM D-4060 (1000 g load, 1000 cycles, CS-17 wheel after full cure)	Gloss Finish w/grit - 4 mg loss no grit -10 mg loss	Satin Finish w/grit - 8 mg loss no grit - 12 mg loss
Static Coefficient of Friction*, ANSI B101.1	> 0.6	
Dynamic Coefficient of Friction - Wet*, ANSI A326.3	> 0.42	
VOC Content	5 g/L; pigmented Armor Top <100 g/L	

*Sherwin-Williams High Performance Flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation. Contact your Sherwin-Williams territory sales manager or tech representative for more information on alternative textures, grit/grip additives, or smooth coatings for your specific environment. A sample should always be obtained and tested prior to purchase for any non-slip flooring system.

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams High Performance Flooring delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe.

United States & Canada

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